

# Agile Science Planning: Rapid Response Re-planning

Completed Technology Project (2012 - 2013)



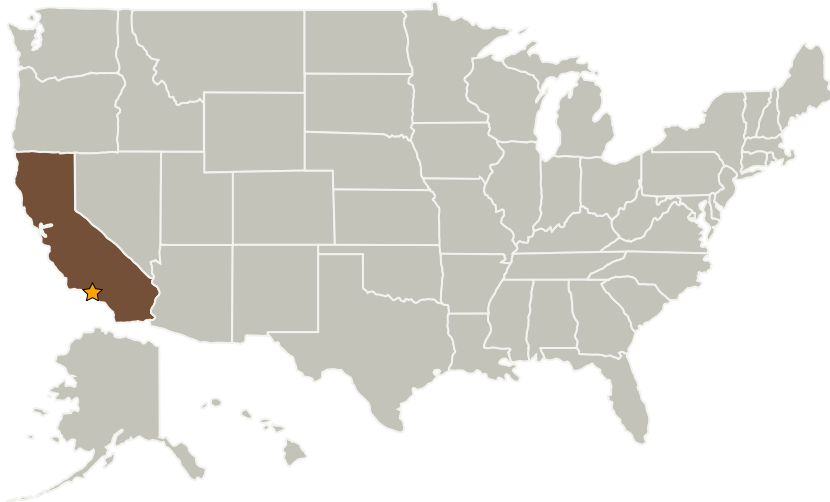
## Project Introduction

Develop autonomous rapid response to science observations in missions targeting small bodies in fly-by mode where observing and reaction time is precious.

## Anticipated Benefits

Missions will benefit from autonomous rapid response to science observations targeting small bodies in fly-by mode.

## Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Jet Propulsion Laboratory (JPL)	Lead Organization	NASA Center	Pasadena, California

### Primary U.S. Work Locations

California



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## Organizational Responsibility

### Responsible Mission Directorate:

Mission Support Directorate (MSD)

### Lead Center / Facility:

Jet Propulsion Laboratory (JPL)

### Responsible Program:

Center Independent Research & Development: JPL IRAD

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### Project Management

**Program Manager:**

Fred Y Hadaegh

**Project Manager:**

Jonas Zmuidzinas

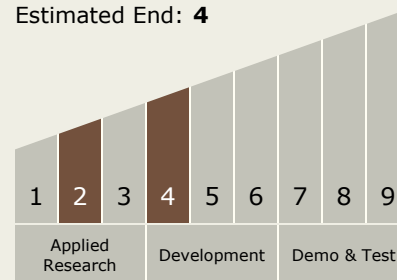
**Principal Investigator:**

Steve A Chien

### Technology Maturity (TRL)

Start: **2**

Estimated End: **4**



### Technology Areas

**Primary:**

- TX10 Autonomous Systems
  - └ TX10.2 Reasoning and Acting
    - └ TX10.2.1 Mission Planning and Scheduling